



County of Riverside
DEPARTMENT OF ENVIRONMENTAL HEALTH

P.O. BOX 7909 • RIVERSIDE, CA 92513-7909

STEVE VAN STOCKUM, DIRECTOR

**CITATION FOR NONCOMPLIANCE – WATER SYSTEM NO. 3301491
NO. 05_63_16C_032**

Re: Alpine Village
System No. 3301491

Date: December 19, 2016

To: Will Lowry
P.O. Box 1323
Idyllwild, CA 92549

Section 116650, Article 9, Chapter 4, Part 12, Division 104 of the California Health and Safety Code (H&S Code), authorizes the issuance of a citation for failure to comply with the requirements of the California Safe Drinking Water Act, or any regulation, standard, permit order issued there under.

VIOLATION

The Department of Environmental Health (Department), hereby issues a citation to Alpine Village for the following violation:

Title 22 of the California Code of Regulations (CCR), Section 64426.1 (b) (4). Specifically, Alpine Village failed the Total Coliform Maximum Contaminant Level (MCL) during the months of October 2016 and November 2016. For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or any repeat sample is fecal coliform-positive or E.coli-positive; or any repeat sample following a fecal coliform-positive or E.coli-positive routine sample is total coliform-positive.

CHRONOLOGY OF EVENTS

This is a community water system with approximately 60 active service connections and 2-3 inactive connections (empty lots with meters).

There are currently four active sources for this water system and two pressure zones.

The Community Well (3301491-003) is 300' deep with an 8" casing and a 5 hp submersible pump. The Community Well pumps to a 1,250 gallon pressure tank located near the well then into the lower distribution system. This well pumps ~45 gpm. The Community Well became a

primary source in February 2011 after a new section of distribution line was added in 2009/2010 (Plans were approved on 9/16/09). The well is metered.

Well A (3301491-001) is 550' deep with a 5 hp submersible pump. Well A delivers water into the upper distribution system and can fill the 83,592 gallon tank. Well A pumps ~15-20 gpm. This well is metered.

Well #1 (3301491-002) is 660' deep with a 5 hp submersible pump. Well #1 pumps into the distribution system. This well is metered.

Well #2 Asbestos Mtn. (3301491-004) is ~500' deep with a 5 hp submersible pump. Well #2 pumps directly to the 83,592 gallon bolted steel tank. This well pumps ~20-40 gpm. This well is metered. It runs off a generator because electrical power is not available. Well #2 was put online in August 2015. Due to the elevated uranium levels at Well #2, public notices are sent out quarterly.

A 150,000 gallon gravity storage tank was recently taken off line due to leaks.

Recent History:

On October 25, 2016, Jim McClain, co-owner of Alpine Village, collected the monthly routine bacteria sample from Sample Station #2. The laboratory notified McClain on October 26, 2016, stating that the bacteria result was total coliform present/E.coli absent. The water system was chlorinated and flushed. On October 27, 2016, McClain collected 5 samples. Four resamples (Community Well, Downing, Sample Station #2 and Pattison) and Well A. The Community Well and Well A were the two wells that were online during this time. The laboratory notified McClain on October 28, 2016, with the following results: Pattison was total coliform present/E.coli absent. The Community Well, Downing, Sample Station #2 and Well A were total coliform absent. On October 31, 2016, Pattison location was resampled. The result was total coliform absent.

As per the Federal Revised Total Coliform Rule, a Level 2 Assessment was triggered after the October 28, 2016, results. A Level 2 Assessment site visit was completed by this Department (Jackie Jones) on November 8, 2016. The assessment was given to the water system on November 9, 2016. Several deficiencies were noted on the assessment. The water system returned the Level 2 Assessment to the Department with a schedule to address the deficiencies.

On November 14, 2016, five routine samples were collected: Sample Station #1, Sample Station #2, Sample Station #3, Sample Station #4 and Downing. The water system was notified of the following results: Downing and Sample Station #4 were total coliform present/E.coli absent. The results were both 1.0 MPN/100 mL. Sample Station #1, Sample Station #2 and Sample station #3 were total coliform absent (<1.0 MPN/100 mL). The water system was chlorinated and flushed by McClain. This Department discussed maintaining a chlorine residual in the distribution system while researching a permanent chlorination system. The distribution system was chlorinated by McClain.

On November 17, 2016, McClain collected 4 resamples (Well A, Well 2, Downing and Sample Station #4) and the Community Well. The Community Well, Well A and Well 2 were online during this time. The laboratory notified Will Lowry (certified water operator and co-owner) on November 18, 2016, with the following results: Downing and the Community Well were total coliform present/E.coli absent. The Community Well results were 1.0 MPN/100 mL. The

Downing location was 3.0 MPN/100 mL. Well A, Well 2 and Sample Station #4 were total coliform absent (<1.0 MPN/100 mL).

A new contract certified water operator, Merl Johnson (D2/T2), was hired by Alpine Village on November 22, 2016. This Department and Johnson discussed maintaining a chlorine residual in the lower distribution system for approximately one week. It appeared that the Community Well could be a source of the total coliform bacteria in this section of the distribution system. It was agreed to maintain chlorine in the Community Well and in the lower distribution system. Johnson oversaw the chlorination of the Community Well. A chlorine log was maintained by McClain. The chlorine readings ranged from 0.5 mg/L to 3.0 mg/L.

On November 22, 2016, McClain sampled the Downing location. The result was absent for total coliform bacteria.

On November 30, 2016, the Community Well was sampled by Johnson. The result was absent for total coliform bacteria. Chlorination was discontinued on November 30, 2016. The Department informed Johnson to resample the well in approximately one week. On December 7, 2016, the Community Well was sampled by Johnson. The result was absent for total coliform bacteria (<1.0 MPN/100 mL).

On December 14, 2016, Johnson collected five routine samples (Sample Station #1, Sample Station #2, Sample Station #3, Sample Station #4 and Well #2). All results were total coliform absent (<1.0 MPN/100 mL).

DIRECTIVES

All consumers served by this water system must be notified of this violation, as required in Section 64426.1 (c). A Resolved Tier 2 Notice was issued to Will Lowry on November 23, 2016. According to the Proof of Notification, the Tier 2 Notice was mailed to the water consumers on November 28, 2016.

The Waterworks Standards requires that all chemicals added to drinking water by a water supplier must be certified as meeting the specifications of NSF/ANSI Standard 60 (Drinking Water Treatment Chemicals-Health Effects). Use only NSF/ANSI Standard 60 disinfectant when chlorination procedures are necessary.

Your public water system must be maintained so that the total coliform MCL is not violated. Continue to work with your certified water operator to correct and/or prevent reoccurrence of this violation.

Continued total coliform results may require a permanent chlorination system to be installed. This Department must approve plans to install a permanent chlorinator prior to installation. Additional sampling requirements will also apply.

The required coliform bacteria follow-up sampling to an unsatisfactory routine sample is described below. This must be completed each and every time that a routine coliform bacteria sampling is unsatisfactory.

1. Within 24 hours of being notified of an unsatisfactory coliform bacteria result by your laboratory, collect four resamples. If you are unable to collect the resamples within 24 hours, contact this Department. Collect the resamples at the sample tap where the unsatisfactory sample was taken, an upstream sample within 5 service connections of the unsatisfactory site, a downstream sample within 5 service connections of the unsatisfactory site, and a sample at the source(s) of water for the distribution system.

All active wells must be sampled. If the direction of flow in the distribution system is not known, or if the distribution system is quite small, contact this Department for guidance.

2. If any of the resamples are unsatisfactory, additional sets of resamples must be taken. Contact this Department for guidance.
3. In the month following the unsatisfactory sample collect five coliform bacteria samples.

Comply with the Level 2 Assessment (dated December 1, 2016) deficiency schedule.

By January 15, 2017: Update the Bacteriological Sample Siting Plan and provide a copy to this Department.

By July 1, 2017: Alpine Village shall include the Total Coliform Rule violations in their 2016 Consumer Confidence Report (CCR).

FURTHER ENFORCEMENT ACTION

Failure to comply with this notice and/or failure to comply with Title 22 of the California Code of Regulations may result in assessment of administrative penalties. This Department does not waive any further enforcement action by issuance of this citation.

If you have any questions, please contact me at (760) 863-7570.



Jackie Jones, REHS
Environmental Health Specialist

Certified Mail: 7007 3020 0001 6550 4891

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.

Tradúzcalo o hable con alguien que lo entienda bien.

Alpine Village Has Levels of Coliform Bacteria Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. We took seven samples for coliform bacteria during October 2016. Two of those samples showed the presence of coliform bacteria. We have taken eleven samples for coliform bacteria during November 2016. Four of those samples showed the presence of coliform bacteria. The standard is that no more than 1 sample per month may do so.

What should I do?

- **You do not need to boil your water or take other corrective actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Total coliform bacteria are generally not harmful themselves. *Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.*
- Usually, coliforms are a sign that there could be a problem with the treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or *E. coli*, are present. **We did not find any of these bacteria in our subsequent testing.** If we had, we would have notified you immediately. However, we are still finding coliforms in the drinking water.
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

We have chlorinated the water system. The follow up samples in October did not show the presence of coliform bacteria. The follow up samples in November from the distribution system did not show the presence of coliform bacteria. We are going to provide continuous chlorination for a week and reevaluate after follow up sampling from one of the wells. We will also be taking additional samples in December.

We anticipate resolving the problem within one week.

For more information, please contact Will Lowry at (951) 468-4054

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Alpine Village.

State Water System ID#: 3301491. Date distributed: _____.

PROOF OF NOTIFICATION

NAME OF WATER SYSTEM Alpine Village

WATER SYSTEM NUMBER 3301491

As required by the California Health and Safety Code, this acknowledges that I have notified the users of this water system that the water supplied by Alpine Village has levels of Coliform Bacteria above the Drinking Water Standard which is a violation of the California Safe Drinking Water Standards. The Tier 2 Notice was mailed to the water consumers.

This notification was made using the following method(s);

Verbal, to each customer/connection

Date completed _____

Public Posting of Notice

Date completed _____

Mail or Hand Delivery of a Written Notice

Date completed 11/28/16

Public Newspaper or Media

Date completed _____

Will Lowry

Print Name



Signature of Water System Representative